L11 S 5744347/PN 1 S L1 AND (LIF OR LEUKEMIA INHIBITORY FACTOR OR LYMPHOCYTE L2 INF => s (neural stem cell# or neuronal stem cell#) and (lif or leukemia inhibitory factor or lymphocyte infiltration factor or cdf or cholinergic differentiation factor) 7151 NEURAL 89216 STEM 266356 CELL# 32 NEURAL STEM CELL# (NEURAL (W) STEM (W) CELL#) 3405 NEURONAL 89216 STEM 266356 CELL# 10 NEURONAL STEM CELL# (NEURONAL (W) STEM (W) CELL#) 2225 LIF 8954 LEUKEMIA 25057 INHIBITORY 262153 FACTOR 218 LEUKEMIA INHIBITORY FACTOR (LEUKEMIA (W) INHIBITORY (W) FACTOR) 6301 LYMPHOCYTE 9024 INFILTRATION 262153 FACTOR O LYMPHOCYTE INFILTRATION FACTOR (LYMPHOCYTE (W) INFILTRATION (W) FACTOR) 1081 CDF 2230 CHOLINERGIC 22553 DIFFERENTIATION 262153 FACTOR 8 CHOLINERGIC DIFFERENTIATION FACTOR (CHOLINERGIC (W) DIFFERENTIATION (W) FACTOR) L3 16 (NEURAL STEM CELL# OR NEURONAL STEM CELL#) AND (LIF OR LEUK EMI A INHIBITORY FACTOR OR LYMPHOCYTE INFILTRATION FACTOR OR CD F O R CHOLINERGIC DIFFERENTIATION FACTOR)

(FILE 'USPAT' ENTERED AT 07:15:52 ON 28 JAN 1999)

=> s 13 and (media or medium or buffer# or hormone# or insulin or transferrin or progesterone or selenium or putrescine or growth factor# or efg or tgf or bfgf or pdgf or heparin) steps

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L4
        135640) MEDIA
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        396834) MEDIUM
L6
        198198) BUFFER#
L7
         22361) HORMONE#
L8
         11132) INSULIN
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          2285) TRANSFERRIN
L10 (
          3133) PROGESTERONE
L11 (
         19135) SELENIUM
L12 (
           553) PUTRESCINE
L13 (
        145993) GROWTH
L14 (
        434917) FACTOR#
L15 (
         10542) GROWTH FACTOR#
                  (GROWTH (W) FACTOR#)
L16 (
           411) EFG
L17 (
          1935) TGF
L18 (
           634) BFGF
L19 (
          1554) PDGF
L20 (
          9578) HEPARIN
L21
            16 L3 AND (MEDIA OR MEDIUM OR BUFFER# OR HORMONE# OR INSULIN O
R T
                RANSFERRIN OR PROGESTERONE OR SELENIUM OR PUTRESCINE OR GRO
WTH
                 FACTOR# OR EFG OR TGF OR BFGF OR PDGF OR HEPARIN)
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- 1. 5,858,747, Jan. 12, 1999, Control of cell growth in a bioartificial organ with extracellular matrix coated microcarriers; Malcolm Schinstine, et al., 435/182; 424/93.21, 93.7, 422; 435/176, 177, 178, 289.1, 377, 382, 395, 403 [IMAGE AVAILABLE]
- 2. 5,853,717, Dec. 29, 1998, Methods and compositions of growth control for cells encapsulated within bioartificial organs; Malcolm Schinstine, et al., 424/93.21; 435/326, 372.2, 372.3, 382 [IMAGE AVAILABLE]
- 3. 5,851,832, Dec. 22, 1998, In vitro growth and proliferation of multipotent neural stem cells and their progeny; Samuel Weiss, et al., 435/368, 325, 366, 377, 383, 384 [IMAGE AVAILABLE]
- 4. 5,843,431, Dec. 1, 1998, Controlling proliferation of cells before and after encapsulation in a bioartificial organ by gene transformation; Malcolm Schinstine, et al., 424/93.21, 93.7, 422; 435/174, 178, 377, 382, 395 [IMAGE AVAILABLE]
- 5. 5,840,576, Nov. 24, 1998, Methods and compositions of growth control for cells encapsulated within bioartificial organs; Malcolm Schinstine, et al., 435/325, 375, 377, 400 [IMAGE AVAILABLE]
- 6. 5,833,979, Nov. 10, 1998, Methods and compositions of growth control for cells encapsulated within bioartificial organs; Malcolm Schinstine, et al., 424/93.21, 553, 556; 435/174, 352 [IMAGE AVAILABLE]
- 7. 5,795,790, Aug. 18, 1998, Method for controlling proliferation and differentiation of cells encapsulated within bioartificial organs; Malcolm Schinstine, et al., 435/382; 424/93.7; 435/177, 178, 180, 182 [IMAGE AVAILABLE]
- 8. 5,789,653, Aug. 4, 1998, Secretory gene trap; William C. Skarnes, 800/18; 435/6, 91.1, 320.1, 325 [IMAGE AVAILABLE]
- 9. 5,776,747, Jul. 7, 1998, Method for controlling the distribution of cells within a bioartificial organ using polycthylene oxide-poly (dimethylsiloxane) copolymer; Malcolm Schinstine, et al., 435/177, 180, 181, 182 [IMAGE AVAILABLE]
- 10. 5,753,506, May 19, 1998, Isolation propagation and directed differentiation of stem cells from embryonic and adult central nervous system of mammals; Karl K. Johe, 435/377, 325, 366, 368 [IMAGE AVAILABLE]
- 11. 5,750,376, May 12, 1998, In vitro growth and proliferation of genetically modified multipotent neural stem cells and their progeny; Samuel Weiss, et al., 435/69.52, 69.1, 325, 368, 377, 384, 392, 395, 455, 456, 458, 461 [IMAGE AVAILABLE]
- 12. 5,676,943, Oct. 14, 1997, Compositions and methods for the delivery of biologically active molecules using genetically altered cells contained in biocompatible immunoisolatory capsules; Edward E. Baetge, et al., 424/93.21, 93.3 [IMAGE AVAILABLE]
- 13. 5,656,481, Aug. 12, 1997, Compositions and methods for the delivery of biologically active molecules using cells contained in biocompatible capsules; Edward E. Baetge, et al., 435/325; 424/93.1, 93.2, 93.21, 93.3,

- 14. 5,653,975, Aug. 5, 1997, Compositions and methods for the delivery of biologically active molecules using cells contained in biocompatible capsules; Edward E. Baetge, et al., 424/93.1, 93.2, 93.21, 93.3, 93.7 [IMAGE AVAILABLE]
- 15. 5,639,618, Jun. 17, 1997, Method of isolating a lineage specific stem cell in vitro; David A. Gay, 435/7.21, 2, 6, 7.1, 7.2 [IMAGE AVAILABLE]
- 16. 5,639,275, Jun. 17, 1997, Delivery of biologically active molecules using cells contained in biocompatible immunoisolatory capsules; Edward E. Baetge, et al., 604/891.1; 424/93.1, 93.2, 422, 424; 435/325 [IMAGE AVAILABLE]

L1	1 S	5744347/PN
L2	1 S	L1 AND (LIF OR LEUKEMIA INHIBITORY FACTOR OR LYMPHOCYTE
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L3	16 S	(NEURAL STEM CELL# OR NEURONAL STEM CELL#) AND (LIF OR L
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L4	135640)s	MEDIA
L5	396834)s	MEDIUM
L6	198198)S	BUFFER#
ь7	22361)s	HORMONE#
L8 (11132)S	INSULIN
L9	2285) S	TRANSFERRIN
L10	•	PROGESTERONE
L11 (•	SELENIUM
L12	•	PUTRESCINE
L13	•	GROWTH
L14	•	·
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L24		L23 AND HEPARIN
L25		5750376/PN
L26		L25 AND (LIF AND HEPARIN)
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OST IN U.S. DOLLARS

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FULL ESTIMATED COST

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Enter SET DETAIL ON to see search term postings or to view search error messages that display as 0* with SET DETAIL OFF.

=> s ((neural or neuronal) (w) stem cell#) and (lir or leukemia inhibitory factor)

> FILE MEDLINE 2

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PROCESSING COMPLETED FOR L2

2 DUP REM L2 (2 DUPLICATES REMOVED)

=> d bib ab 1-2



L3 ANSWER 1 OF 2 MEDLINE

VODE TVO

AN 1999017613

MEDLINE

DN 99017613

TI Regulation of **neural stem cell** differentiation in the forebrain.

- AU Bartlett P F; Brooker G J; Faux C H; Dutton R; Murphy M; Turnley A; Kilpatrick T J
- CS Walter and Eliza Hall Institute of Medical Research, Parkville, Victoria, 'Australia.. bartlett@wehi.edu.au

DUPLICATE 1

- SO IMMUNOLOGY AND CELL BIOLOGY, (1998 Oct) 76 (5) 414-8. Journal code: GH8. ISSN: 0818-9641.
- CY Australia
- DT Journal; Article; (JOURNAL ARTICLE)
- LA English
- FS Priority Journals
- EM 199903
- EW 19990301
- AB In the developing forebrain, mounting evidence suggests that neural stem cell proliferation and

differentiation is regulated by growth factors. In vitro in the presence of serum, stem cell proliferation is predominantly mediated by fibroblast growth factor-2 (FGF-2) whereas neuronal differentiation can be triggered by FGF-1 in association with a specific heparan sulphate proteoglycan. On the other hand, astrocyte differentiation in vivo and in vitro appears to be dependent on signalling through the leukaemia inhibitory factor receptor (LIFR). The evidence suggests that in the absence of LIFR signalling, the stem cell population is present at approximately the same frequency and can generate neurons but is blocked from producing astrocytes that express glial fibrillary acidic protein (GFAP) or have trophic functions. The block can be overcome by other growth factors such as BMP-2/4 or interferon-gamma, providing further evidence that the inhibition to astrocyte development does not result from loss of a precursor population. Signalling through the LIFR, in addition to stimulating astrocyte differentiation, may also inhibit neuronal differentiation, which may explain why this receptor is expressed at the earliest stages of neurogenesis. Another signalling system which also exerts its influence on neurogenesis through active inhibition is Delta-Notch. We show in vitro that at high cell densities which impede neuronal production by FGF-1, lowering the levels of expression of the receptor Notch by antisense oligonucleotide results in a significant increase in neuronal production. Thus, stem cell differentiation appears to be dependent on the outcome of interactions between a number of signalling pathways, some which promote specific lineages and some which inhibit.

L3 ANSWER 2 OF 2 MEDLINE

MEDLINE

DN 96035122

96035122

AN

- TI Cytokines regulate the cellular phenotype of developing neural lineage species.
- AU Mehler M F; Marmur R; Gross R; Mabie P C; Zang Z; Papavasiliou A; Kessler J A

DUPLICATE 2

- CS Department of Neurology, Albert Einstein College of Medicine, Bronx, NY 10461, USA..
- SO INTERNATIONAL JOURNAL OF DEVELOPMENTAL NEUROSCIENCE, (1995 Jun-Jul) 13 (3-4) 213-40.

Journal code: 126. ISSN: 0736-5748.

- CY ENGLAND: United Kingdom
- DT Journal; Article; (JOURNAL ARTICLE)
- LA English
- FS Priority Journals
- EM 199601
- AB The patterns and mechanisms of action of inductive signals that orchestrate neural lineage commitment and differentiation in the mammalian

brain are incompletely understood. To examine these developmental issues, we have utilized several culture systems including conditionally immortalized cell lines, subventricular zone progenitor cells and primary neuronal cultures. A neural stem and progenitor cell line (MK31) was established from murine embryonic hippocampus by retroviral transduction of temperature-sensitive alleles of the simian virus 40 large tumor antigen. At the non-permissive temperature for antigen expression (39 degrees C) in serum-free media, the neural stem cells give rise to a series of increasingly mature neuronal progenitor and differentiated cellular forms under the influence of a subset of hematolymphopoietic cytokines (interleukins 5, 7, 9 and 11), when individually co-applied with transforming growth factor alpha, after pretreatment with basic fibroblast growth factor. These cellular forms elaborated a series of progressively more mature neurofilament proteins,

sequential pattern of ligand-gated channels, and inward currents and generation of action potentials with mature physiological properties. Because the factors regulating the development of central nervous system astrocytes have been so difficult to define, we have chosen to focus, in this manuscript, on the elaboration of this cell type. At 39 degrees C, application of a subfamily of bone morphogenetic proteins of the transforming growth factor beta superfamily of growth factors sanctioned the selective expression of astrocytic progenitor cells and mature astrocytes, as defined by sequential elaboration of the Yb subunit of glutathione-S-transferase and glial fibrillary acidic protein. These lineage-specific cytokine inductive relationships were verified using subventricular zone neural progenitor cells generated by the application of epidermal growth factor, alone or in combination with basic fibroblast growth factor, to dissociated cellular cultures derived from early embryonic murine brain, a normal non-transformed developmental population.

Finally, application of a different series of cytokines from five distinct

factor classes (basic fibroblast growth factor, platelet-derived growth factor-AA, insulin-like growth factor 1, neurotrophin 3 and representative

gp130 receptor subunit-related ligands) caused the elaboration of oligodendroglial progenitor species and post-mitotic oligodendrocytes,

a

defined by progressive morphological maturation and the expression of increasingly inced oligodendroglial and oligodendrocyte lineage markers. In addition, seven different gp130-associated neuropoietic (ciliary neurotrophic factor, leukemia inhibitory factor, oncostatin-M) and hematopoietic (interleukins 6, 11, 12, granulocyte-colony stimulating factor) cytokines exhibited differential trophic effects on oligodendroglial lineage maturation and factor class interactions. (ABSTRACT TRUNCATED AT 400 WORDS)

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L1
           2262 S LEUKEMIA INHIBITORY FACTOR OR LIF
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         135640)S MEDIA
L3
         396834)S MEDIUM
         198198)S BUFFER#
L4
L5-
          22361)S HORMONE#
L6
          11132)S INSULIN
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           2285)S TRANSFERRIN
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           3133)S PROGESTERONE
          19135)S SELENIUM
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         145993)S GROWTH
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         434917)S FACTOR#
L13 (
          10542)S GROWTH FACTOR#
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            634)S BFGF
          1554)S PDGF
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            103 S L18 AND STEM CELL#
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              6 S L18 AND NEURAL STEM CELL#
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              1 S (LEUKEMIA INHIBITORY FACTOR OR LIF) AND NEURONAL STEM CE
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            16 S (LEUKEMIA INHIBITORY FACTOR OR LIF) AND NEURAL STEM CELL
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L23
             10 S L22 AND HEPARIN
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             1 S 5750376/PN
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              1 S L24 AND HEPARIN
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              1 S 5753506/PN
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L28 (
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         145993)S GROWTH
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         434917)S FACTOR#
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          2343)S EGF
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          1935)S TGF
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              1 S L26 AND (MEDIA OR MEDIUM OR BUFFER# OR HORMONE# OR INSUL
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          8954)S LEUKEMIA
L46 (
         25057)S INHIBITORY
L47 (
        262153)S FACTOR
L48 (
           218) S LEUKEMIA INHIBITORY FACTOR
L49 (
          2225)S LIF
L50 (
        135640)S MEDIA
L51 (
        396834)S MEDIUM
L52 (
         22361) S HORMONE#
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11132)S INSULIN

L54	(2285)S	TRANSFERRIN
L55	(3133)S	PHETERONE
L56	(19135)S	SELENIUM
L57	(553)S	PUTRESCINE
L58	(145993)S	GROWTH
L59	(434917)S	FACTOR#
L60	(10542)S	GROWTH FACTOR#
L61	(411)S	EFG
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L64	(1554) S	PDGF
L65		9 S	(LEUKEMIA INHIBITORY FACTOR OR LIF) (P) (MEDIA OR MEDIUM
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L66		9 S	L65 AND STEM
L67		6 S	L65 AND HEPARIN

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> d 120 1-

- 1. 5,851,832, Dec. 22, 1998, In vitro growth and proliferation of multipotent neural stem cells and their progeny; Samuel Weiss, et al., 435/368, 325, 366, 377, 383, 384 [IMAGE AVAILABLE]
- 2. 5,750,376, May 12, 1998, In vitro growth and proliferation of genetically modified multipotent **neural stem cells** and their progeny; Samuel Weiss, et al., 435/69.52, 69.1, 325, 368, 377, 384, 392, 395, 455, 456, 458, 461 [IMAGE AVAILABLE]
- 3. 5,676,943, Oct. 14, 1997, Compositions and methods for the delivery of biologically active molecules using genetically altered cells contained in biocompatible immunoisolatory capsules; Edward E. Baetge, et al., 424/93.21, 93.3 [IMAGE AVAILABLE]
- 4. 5,656,481, Aug. 12, 1997, Compositions and methods for the delivery of biologically active molecules using cells contained in biocompatible capsules; Edward E. Baetge, et al., 435/325; 424/93.1, 93.2, 93.21, 93.3, 93.7; 435/347, 373, 382 [IMAGE AVAILABLE]
- 5. 5,653,975, Aug. 5, 1997, Compositions and methods for the delivery of biologically active molecules using cells contained in biocompatible capsules; Edward E. Baetge, et al., 424/93.1, 93.2, 93.21, 93.3, 93.7 [IMAGE AVAILABLE]
- 6. 5,639,275, Jun. 17, 1997, Delivery of biologically active molecules using cells contained in biocompatible immunoisolatory capsules; Edward E. Baetge, et al., 604/891.1; 424/93.1, 93.2, 422, 424; 435/325 [IMAGE AVAILABLE]

=> d 121 1-

- 1. 5,639,618, Jun. 17, 1997, Method of isolating a lineage specific stem cell in vitro; David A. Gay, 435/7.21, 2, 6, 7.1, 7.2 [IMAGE AVAILABLE]
- => d 122 1-
- 1. 5,858,747, Jan. 12, 1999, Control of cell growth in a bioartificial organ with extracellular matrix coated microcarriers; Malcolm Schinstine, et al., 435/182; 424/93.21, 93.7, 422; 435/176, 177, 178, 289.1, 377, 382, 395, 403 [IMAGE AVAILABLE]
- 2. 5,853,717, Dec. 29, 1998, Methods and compositions of growth control for cells encapsulated within bioartificial organs; Malcolm Schinstine, et al., 424/93.21; 435/326, 372.2, 372.3, 382 [IMAGE AVAILABLE]
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- 4. 5,843,431, Dec. 1, 1998, Controlling proliferation of cells before and after encapsulation in a bioartificial organ by gene transformation; Malcolm Schinstine, et al., 424/93.21, 93.7, 422; 435/174, 178, 377, 382, 395 [IMAGE AVAILABLE]

- 5. 5,840,576, Nov. 24. 1998, Methods and compositions of growth control for cells encapsulate within bioartificial organs; to plm Schinstine, et al., 435/325, 375, 377, 400 [IMAGE AVAILABLE]
- 6. 5,833,979, Nov. 10, 1998, Methods and compositions of growth control for cells encapsulated within bioartificial organs; Malcolm Schinstine, et al., 424/93.21, 553, 556; 435/174, 352 [IMAGE AVAILABLE]
- 7. 5,795,790, Aug. 18, 1998, Method for controlling proliferation and differentiation of cells encapsulated within bioartificial organs; Malcolm Schinstine, et al., 435/382; 424/93.7; 435/177, 178, 180, 182 [IMAGE AVAILABLE]
- 8. 5,789,653, Aug. 4, 1998, Secretory gene trap; William C. Skarnes, 800/18; 435/6, 91.1, 320.1, 325 [IMAGE AVAILABLE]
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 - 14. 5,653,975, Aug. 5, 1997, Compositions and methods for the delivery of biologically active molecules using cells contained in biocompatible capsules; Edward E. Baetge, et al., 424/93.1, 93.2, 93.21, 93.3, 93.7 [IMAGE AVAILABLE]
- / 15. 5,639,618, Jun. 17, 1997, Method of isolating a lineage specific stem cell in vitro; David A. Gay, 435/7.21, 2, 6, 7.1, 7.2 [IMAGE AVAILABLE]
 - 16. 5,639,275, Jun. 17, 1997, Delivery of biologically active molecules using cells contained in biocompatible immunoisolatory capsules; Edward E. Baetge, et al., 604/891.1; 424/93.1, 93.2, 422, 424; 435/325 [IMAGE AVAILABLE]

=> d 123 1-

- 1. 5,858,747, Jan. 12, 1999, Control of cell growth in a bioartificial organ with extracellular matrix coated microcarriers; Malcolm Schinstine, et al., 435/182; 424/93.21, 93.7, 422; 435/176, 177, 178, 289.1, 377, 382, 395, 403 [IMAGE AVAILABLE]
- 2. 5,853,717, Dec. 29, 1998, Methods and compositions of growth control for cells encapsulated within bioartificial organs; Malcolm Schinstine, et al., 424/93.21; 435/326, 372.2, 372.3, 382 [IMAGE AVAILABLE]

- 3. 5,851,832, Dec. 1998, In vitro growth and preparation of multipotent neural stem cells and their progeny; Samuer Weiss, et al., 435/368, 325, 366, 377, 383, 384 [IMAGE AVAILABLE]
- 4. 5,843,431, Dec. 1, 1998, Controlling proliferation of cells before and after encapsulation in a bioartificial organ by gene transformation; Malcolm Schinstine, et al., 424/93.21, 93.7, 422; 435/174, 178, 377, 382, 395 [IMAGE AVAILABLE]
- 5. 5,840,576, Nov. 24, 1998, Methods and compositions of growth control for cells encapsulated within bioartificial organs; Malcolm Schinstine, et al., 435/325, 375, 377, 400 [IMAGE AVAILABLE]
- 6. 5,833,979, Nov. 10, 1998, Methods and compositions of growth control for cells encapsulated within bioartificial organs; Malcolm Schinstine, et al., 424/93.21, 553, 556; 435/174, 352 [IMAGE AVAILABLE]
- 7. 5,795,790, Aug. 18, 1998, Method for controlling proliferation and differentiation of cells encapsulated within bioartificial organs; Malcolm Schinstine, et al., 435/382; 424/93.7; 435/177, 178, 180, 182 [IMAGE AVAILABLE]
- 8. 5,776,747, Jul. 7, 1998, Method for controlling the distribution of cells within a bioartificial organ using polycthylene oxide-poly (dimethylsiloxane) copolymer; Malcolm Schinstine, et al., 435/177, 180, 181, 182 [IMAGE AVAILABLE]
- 9. 5,753,506, May 19, 1998, Isolation propagation and directed differentiation of stem cells from embryonic and adult central nervous system of mammals; Karl K. Johe, 435/377, 325, 366, 368 [IMAGE AVAILABLE]
- 10. 5,750,376, May 12, 1998, In vitro growth and proliferation of genetically modified multipotent **neural stem cells** and their progeny; Samuel Weiss, et al., 435/69.52, 69.1, 325, 368, 377, 384, 392, 395, 455, 456, 458, 461 [IMAGE AVAILABLE]

=> d 144 1-

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1. 5,753,506, May 19, 1998, Isolation propagation and directed differentiation of stem cells from embryonic and adult central nervous system of mammals; Karl K. Johe, 435/377, 325, 366, 368 [IMAGE AVAILABLE]

=> d 165 1-

- 1. 5,766,948, Jun. 16, 1998, Method for production of neuroblasts; Fred H. Gage, et al., 435/368, 325, 366, 395, 402, 404 [IMAGE AVAILABLE]
- 2. 5,744,347, Apr. 28, 1998, Yolk sac stem cells and their uses; Thomas E. Wagner, et al., 435/354, 7.21, 355, 378, 401 [IMAGE AVAILABLE]
- 3. 5,389,541, Feb. 14, 1995, Erythropoietin-dependent erythroblastoid mouse cell line; Gordon Keller, et al., 435/355, 7.2, 7.21, 7.4 [IMAGE AVAILABLE]
- 4. 5,292,656, Mar. 8, 1994, Rat osteosarcoma cell line OSR-6; Claus-Jens W. Doersen, et al., 435/353, 70.1; 530/350 [IMAGE AVAILABLE]
- 5. 5,288,628, Feb. 22, 1994, Rat osteosarcoma cell line OSR4TR1; Claus-Jens W. Doersen, et al., 435/353, 70.1; 530/350 [IMAGE AVAILABLE]
- 6. 5,286,645, Feb. 15, 1994, Rat osteosarcoma cell line osr3tr1; Claus-Jens W. Doersen, et al., 435/353, 70.1; 530/350 [IMAGE AVAILABLE]
- 7. 5,286,643, Feb. 15, 1994, Rat osteosarcoma cell line OSR-8; Claus-Jens W. Doersen, et al., 435/353, 70.1; 530/350 [IMAGE AVAILABLE]
- 8. 5,286,642, Feb. 15, 1994, Rat osteosarcoma cell line OSR5TR2; Claus-Jens W. Doersen, et al., 435/353, 70.1; 530/350 [IMAGE AVAILABLE]
- 9. 5,264,358, Nov. 23, 1993, Rat osteosarcoma cell line OSR9TR1; Claus-Jens W. Doersen, et al., 435/353 [IMAGE AVAILABLE]

. => d 167 1-

- 1. 5,292,656, Mar. 8, 1994, Rat osteosarcoma cell line OSR-6; Claus-Jens W. Doersen, et al., 435/353, 70.1; 530/350 [IMAGE AVAILABLE]
- 2. 5,288,628, Feb. 22, 1994, Rat osteosarcoma cell line OSR4TR1; Claus-Jens W. Doersen, et al., 435/353, 70.1; 530/350 [IMAGE AVAILABLE]
- 3. 5,286,645, Feb. 15, 1994, Rat osteosarcoma cell line osr3tr1; Claus-Jens W. Doersen, et al., 435/353, 70.1; 530/350 [IMAGE AVAILABLE]
- 4. 5,286,643, Feb. 15, 1994, Rat osteosarcoma cell line OSR-8; Claus-Jens W. Doersen, et al., 435/353, 70.1; 530/350 [IMAGE AVAILABLE]
- 5. 5,286,642, Feb. 15, 1994, Rat osteosarcoma cell line OSR5TR2; Claus-Jens W. Doersen, et al., 435/353, 70.1; 530/350 [IMAGE AVAILABLE]
- 6. 5,264,358, Nov. 23, 1993, Rat osteosarcoma cell line OSR9TR1; Claus-Jens W. Doersen, et al., 435/353 [IMAGE AVAILABLE]